



**PERMANENT DOCUMENT**

**ENEC 303  
Annex F**

**Annex F  
to Routine Test Requirements for manufacturers  
(as per Article 9 of the Agreement)**

**AC supplied electronic ballasts for tubular fluorescent  
lamps covered by EN 61347-2-3 (safety) –  
EN 60929 (performance)**

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## Annex F to PD ENEC 303

### AC supplied electronic ballasts for tubular fluorescent lamps covered by EN 61347-2-3 (safety) – EN 60929 (performance)

#### 1 ROUTINE TESTS (100%)

1.1 Visual check of marking and workmanship \*)

1.2 Voltage test applied for a period of 1 second between live parts and the body as indicated in the following table:

Operating voltage	Test voltage
Less than or equal to 42 V	500 V
More than 42 V but less than or equal to 1000 V	$2 U + 1000 V$

In case of built-in or integral ballasts testing shall be applied according to the final installation.

1.3 Protective earth continuity (only for class I)

In a circuit with an input between 6 and 12 V AC a current of 25 A (or 10 A as alternative) has to pass between the earthing terminal or earthing contact and each accessible metallic part that may become live in case of insulation defect. Under any circumstances, the contact resistance must not exceed 0.5  $\Omega$ .

1.4 Operating test

The ballast shall be connected with proper lamps for the correct operating. Otherwise a circuit giving sufficient assurance of correct operating can be used, as alternative.

#### 2 PERIODIC TESTS

2.1 Endurance test (at least once every two years)

This test shall be carried out on a sample of each series/family (same basic construction).

2.2 Terminals, screws, current-carrying parts and connections (at least once a year)

2.3 Protection against accidental contact with live parts and creepage distances and clearances measurement (at least once a year)

\*) Workmanship means:

Completeness of product, all parts correctly mounted, without visible defects, no sharp edges which may cause damage or injuries.